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DATE MAILED: 12/31/2008

NOTICE OF ALLOWANCE AND FEE(S) DUE

52054 7590 12/31/2008
PEARNE & GORDON LLP
1801 EAST 9TH STREET
SUITE 1200
CLEVELAND, OH 44114-3108

EXAMINER
SUMMONS, BARBARA
ART UNIT PAPER NUMBER
2817

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/599,957	10/16/2006	Yasuvuki Naito	41324	6999	

TITLE OF INVENTION: ELECTROMECHANICAL FILTER UTILIZING A QUANTUM DEVICE AND SENSING ELECTRODE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(8) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	03/31/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 1SI. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FFE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

appropriate. All further indicated unless corrects maintenance fee notifica	ed below or directed oth	ng the Patent, advance on nerwise in Block 1, by (rders and notification of a) specifying a new co	of main rrespor	ntenance fees w ndence address;	ill be and/or	mailed to the current (b) indicating a sepa	corre	espondence address as "FEE ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.					
52054	7590 12/31	/2008			Com	ificate	of Mailing or Trans	missi	on
PEARNE & GORDON LLP 1801 EAST 9TH STREET SUITE 1200			I S a t	I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE TeE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.					
CLEVELAND,	OH 44114-3108		[(Depositor's name)
			[(Signature)
			Į						(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR ATTORNS		RNEY DOCKET NO.	CC	ONFIRMATION NO.		
10/599,957	10/16/2006	•	Yasuyuki Naito				41324		6999
TITLE OF INVENTION									
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DU	UE PE	REV. PAID ISSUE	FEE	TOTAL FEE(S) DUE	丄	DATE DUE
nonprovisional	NO	\$1510	\$300		\$0		\$1810		03/31/2009
EXAM	IINER	ART UNIT	CLASS-SUBCLASS						
SUMMONS,		2817	333-186000						
1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.56). Change of correspondence address (or Change of Correspondence Address form FIVOSH 212) attached. Fee Address" indication (or "Fee Address" Indication form FIVOSH4T, Rev 03-02 or more recent) attached. Use of a Customer Number is required.			2. For printing on the patent front page, list (1) the aames of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered patent, or or agent) and the names of up to 2 registered patent autorneys or agents. If no name is inted, no name with pertinted.						
(A) NAME OF ASSIG	less an assignee is ident h in 37 CFR 3.11. Comp GNEE	ified below, no assignee detion of this form is NO	data will appear on th T a substitute for filing (B) RESIDENCE: (CI	e pater an assi ITY an	d STATE OR C	OUNT	'RY)		nent has been filed for
Please check the appropr				_					
4a. The following fee(s) Issue Fee Publication Fee (N Advance Order -	vo small entity discount p		b. Payment of Fee(s): (I A check is enclose Payment by credit The Director is her overpayment, to D	ed. card. F	Form PTO-2038	is atta	ched. required fee(s), any de	ficier	
	s SMALL ENTITY state	is. See 37 CFR 1.27.	☐ b. Applicant is no						
NOTE: The Issue Fee an interest as shown by the	d Publication Fee (if req records of the United Sta	uired) will not be accepte tes Patent and Trademark	ed from anyone other that k Office.	an the a	applicant; a regi	stered a	attorney or agent; or th	ie ass	ignee or other party in
Authorized Signature					Date				
Typed or printed name					Registration N				
This collection of inform an application. Confiden submitting the completes this form and/or suggests Box 1450, Alexandria, V Alexandria, Virginia 223	nation is required by 37 C tiality is governed by 35 d application form to the ions for reducing this but 'irginia 22313-1450. DC t13-1450.	FR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary den, should be sent to the ONOT SEND FEES OR	on is required to obtain 1.14. This collection is depending upon the in Chief Information Of COMPLETED FORMS	or retai estima dividu ficer, U S TO T	in a benefit by thated to take 12 r tal case. Any co U.S. Patent and HIS ADDRESS	he publ ninutes mment Traden	ic which is to file (and to complete, includir s on the amount of ti- nark Office, U.S. Dep D TO: Commissioner	I by to g gat me you artme for P.	he USPTO to process) hering, preparing, and ou require to complete ent of Commerce, P.O. atents, P.O. Box 1450,

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PEARNE & GORDON LLP			SUMMONS, BARBARA			
1801 EAST 9TH	STREET		ART UNIT	PAPER NUMBER		
SUITE 1200 CLEVELAND, C	OH 44114-3108		2817 DATE MAII ED: 12/31/200	8		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 199 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 199 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Applica	tion No.	Applicant(s)		
N. 41	10/599,9	957	NAITO, YASUYUKI		
Notice of Allowability	Examiner		Art Unit		
	BARBA	RA SUMMONS	2817		
- The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-83) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REM or other a IGHTS. T	IAINS) CLOSED in this app appropriate communication his application is subject to	lication. If not include will be mailed in due	ed course. THIS	
 This communication is responsive to <u>the amendment recei</u> 	ved 02 O	ctober 2008.			
2. ☑ The allowed claim(s) is/are <u>19-32</u> .					
Acknowledgment is made of a claim for foreign priority ur a)					
Certified copies of the priority documents have	been rec	eived in Application No			
Copies of the certified copies of the priority do	cuments I	nave been received in this r	national stage applica	tion from the	
International Bureau (PCT Rule 17.2(a)).					
* Certified copies not received:					
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.			complying with the red	quirements	
 A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give 				OTICE OF	
CORRECTED DRAWINGS (as "replacement sheets") mus	st be subn	nitted.			
(a) including changes required by the Notice of Draftspers	on's Pate	nt Drawing Review (PTO-	948) attached		
 hereto or 2) ☐ to Paper No./Mail Date 					
(b) including changes required by the attached Examiner's Paper No./Mail Date	s Amendr	nent / Comment or in the C	ffice action of		
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t				back) of	
 DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT 				Note the	
Attachment(s)					
1. ☐ Notice of References Cited (PTO-892) 5. ☐ Notice of Informal Patent Application					
2. Notice of Draftperson's Patent Drawing Review (PTO-948)		Interview Summary Paper No./Mail Dat	è '		
Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date		7. X Examiner's Amenda	nent/Comment		
Paper No./Mail Date Examiner's Comment Regarding Requirement for Deposit of Biological Material		8. Examiner's Stateme	nt of Reasons for Allo	wance	
9. ☑ Other See Title change.					
/Barbara Summons/ Primary Examiner, Art Unit 2817					

EXAMINER'S AMENDMENT/TITLE CHANGE

Examiner's Amendment

An examiner's amendment to the record correcting only typographical errors
appears below. Should the changes and/or additions be unacceptable to applicant, an
amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of
such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

In the specification:

In section [0030], on lines 2 thereof, note that "microbibrator" has been changed to -- micro \underline{v} ibrator - -.

In section [0031], on each of lines 9, 15, 16, 17 and 18 thereof, "microbibrator" has been changed to -- microvibrator --.

In section [0033], on each of lines 1, 7 and 8 thereof, "microbibrator" has been changed to -- microvibrator --.

Title of the Invention is Changed

- The Title of the Invention has been changed to:
 - -- Electromechanical Filter <u>Utilizing A Quantum Device And Sensing</u>
 Electrode -- (see e.g. claim 19, lines 4-6).

Art Unit: 2817

 Any inquiry concerning this communication or earlier communications from the examiner should be directed to BARBARA SUMMONS whose telephone number is (571)272-1771. The examiner can normally be reached on M-Thu. M-Fr.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bob Pascal can be reached on (571) 272-1769. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

bs December 19, 2008 /Barbara Summons/ Primary Examiner, Art Unit 2817